

# **ICT**

## **Preparation book**

### **6<sup>th</sup> Prim**



**2024 - 2025**

# Teacher's Biography



Name: .....

School: .....

The educational administration:.....

Qualification: .....

Teaching Subject: .....

Comprehensive School: .....

The school to which he is delegated: .....

Date of appointment: .....

The job is on the staff: .....

Teacher Code: .....

Mobile Number: .....

**Teacher**

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**Supervisor**

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**School Principal**

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# Daily Class Schedule



Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

**Teacher**

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**Supervisor**

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**School Principal**

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## The specific objectives of computer and information technology

- **Providing** students with the appropriate amount of scientific and basic knowledge and skills related to how to solve problems.
- **Develop** basic scientific thinking skills.
- **Gain the** ability to use technical means , multimedia, and networks and employ them as tools to serve and integrate with different fields of study
- **Training** students to work within a team by practicing computer techniques.
- **Creates** Websites and determines their characteristics.
- **Developing students'** awareness of the importance of technological awareness and cultural communication.
- **Acquire concepts** related to the principles of web page design.
- **Appreciation of** the role played by science and scientists.
- **Recognize** On the suite of Microsoft Office programs.
- **Raising students'** awareness of the concept of information ethics and the rules of safe use of the Internet.
- **Collects** data and presents it in an interesting way.
- **Specifies** how ICT tools can help make his school more inclusive
- **Discuss** different scenarios/contexts and choose the appropriate computer and network devices
- **Discusses** how future technology can improve the education sector and daily life
- **Discuss** Aspects of the experience of users of advanced technology and artificial intelligence.
- **Shares his** ideas for developing the latest assistive technology product.
- **Provides suggestions** on how mobile devices can support the learning process
- **Innovates** an idea to create a website that promotes An advanced product in its category Assistive technology

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# The specific objectives of computer and information technology

- **Identifies** how ICT tools can help make my school more inclusive.
- **Searches** for websites with static and dynamic designs.
- **Describe** the role of information and communications technology in helping others.
- **Describe** Components of a computer network.
- **Describes** how network devices work.
- **Explain** The following terms: virtual and augmented reality and artificial intelligence
- **Give** Examples of virtual and augmented reality and artificial intelligence.
- **Discusses** aspects of the user experience of advanced technology.
- **Shares** his ideas for developing the latest assistive technology product.
- **Evaluate** the most advanced proposed technological product
- **Uses** keyboard shortcuts such as copy, cut, and paste to process text.
- **Differentiates** between database, library and online searches.
- **Determine** the most effective search tool for a specific goal
- **Identify** common features in mobile devices. .
- **Offers suggestions** on how mobile devices can support learning.
- **Describes** how mobile devices can improve the lives of people of determination.
- **Explain** what an operating system is.
- **Compare** the most common computer operating systems and mobile phone operating systems
- **Identify** my device operating systems and discuss the HTML programming language
- **Writes** Markup language code for basic parts of a web page
- **Specifies** Some components of the markup language of a web page
- **Innovates** An idea to create a website that promotes An advanced product in its category Assistive technology
- **Identify** ways in which remote sensing technology can help his governorate.
- **Discusses** the Risks of electronic games
- **Explains** ways to avoid the dangers of electronic games
- **Specifies** The impact of electronic games on his health and explains ways to deal with this through family care
- **Identify** the different features that can be used to protect data
- **Known** Cyber security concept
- **Creates** a plan to deal safely with the Internet
- **Discuss** cybersecurity issues
- **Explain** what copyright is and why it is important
- **Discuss** the concept of electronic financial trading
- **Explains** Cloud computing concept
- **Specifies** Pros and cons of using cloud computing
- **Discusses** the The role of cloud computing in file storage
- **Discuss** the characteristics of valuable or reliable sources
- **Explain** the importance of evaluating sources
- **Evaluate** the resources he finds on the Internet.

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**Supervisor**

**School Principal**

# Distribution of the content of computer, Information Technology and communication



**For the 6<sup>th</sup> primary grade –  
First term for year 2024-2025**

Week		Lessons	Content
First Axis: The role of information and communications technology in our lives			
1		1	Explorer in Action
		2	Computer network devices
2		3	Technology and artificial intelligence (AI)
3		4	Evaluating cutting – edge technology
4		5	Digital research skills
5		6	Mobile devices
		7	Operating system
6		8	Website design
7		General Review on Axis One	
Second Axis: Digital security and safety precautions			
8		1	Explorer in Action
		2	How to deal with electronic games
9		3	Protecting yourself from digital theft
10		4	Cyber security
11		5	Copyright and electronic financial trading
12		6	Cloud storage of files
13		7	Cloud computing applications
14		General Review on Axis One	
15		First semester's projects	

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**Supervisor**

**School Principal**

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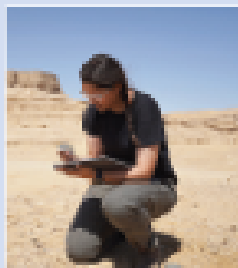


## THEME 1 Role of Information and Communication Technology (ICT) in our lives

**Essential Question:** How can we use ICT tools to help keep up with current developments?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
<b>LESSON 1</b> Explorer in Action	<ul style="list-style-type: none"> <li>How computer software can be used</li> <li>Plan a website</li> </ul>	<b>Learning to know:</b> problem solving; creativity	<b>Work values:</b> perseverance <b>Personal values:</b> independence	<b>Globalization issues:</b> entrepreneurship <b>Discrimination issues:</b> discrimination against people with special needs
<b>LESSON 2</b> Computer network devices	<ul style="list-style-type: none"> <li>The different elements used in a computer network</li> <li>How computers and digital devices connect</li> </ul>	<b>Learning to know:</b> problem solving <b>Learning to be:</b> communication	<b>Scientific values:</b> objectivity	<b>Globalization issues:</b> technological awareness
<b>LESSON 3</b> Technology and artificial intelligence (AI)	<ul style="list-style-type: none"> <li>What virtual reality, augmented reality, and artificial intelligence are</li> <li>How technologies can improve people's lives</li> </ul>	<b>Learning to know:</b> creativity; problem solving	<b>Scientific values:</b> objectivity	<b>Globalization issues:</b> entrepreneurship
<b>LESSON 4</b> Evaluating cutting-edge technology	<ul style="list-style-type: none"> <li>What assistive technology is</li> <li>How cutting-edge technology can be used in society</li> </ul>	<b>Learning to know:</b> problem solving <b>Learning to do:</b> co-operation	<b>Personal values:</b> independence <b>Work values:</b> perseverance	<b>Citizenship issues:</b> awareness of rights and duties <b>Discrimination issues:</b> discrimination against people with special needs <b>Globalization issues:</b> technological awareness
<b>LESSON 5</b> Digital research skills	<ul style="list-style-type: none"> <li>Using digital search tools</li> <li>Types of digital search tools</li> </ul>	<b>Learning to know:</b> problem solving <b>Learning to be:</b> sharing	<b>Work values:</b> perseverance; co-operation	<b>Discrimination issues:</b> discrimination against people with special needs <b>Globalization issues:</b> technological awareness
<b>LESSON 6</b> Mobile devices	<ul style="list-style-type: none"> <li>Features of mobile devices</li> <li>How smartphones can help people</li> </ul>	<b>Learning to know:</b> problem solving	<b>Personal values:</b> independence	<b>Citizenship issues:</b> awareness of rights and duties <b>Globalization issues:</b> civilizational communication
<b>LESSON 7</b> Operating systems	<ul style="list-style-type: none"> <li>Types of mobile operating systems</li> <li>What HTML is</li> </ul>	<b>Learning to know:</b> problem solving <b>Learning to do:</b> co-operation	<b>Work values:</b> perseverance	<b>Globalization issues:</b> technological awareness
<b>LESSON 8</b> Website design	<ul style="list-style-type: none"> <li>What HTML tags are</li> <li>Using HTML on a webpage</li> </ul>	<b>Learning to know:</b> creativity; problem solving	<b>Personal values:</b> independence <b>Work values:</b> persistence	<b>Globalization issues:</b> technological awareness; entrepreneurship





## THEME 2 Digital safety and security precautions

**Essential Question:** How can we use ICT tools safely?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
<b>LESSON 1</b> Explorer in Action	<ul style="list-style-type: none"> <li>How Remote Sensing can be used</li> <li>Design an application</li> </ul>	<b>Learning to know:</b> problem solving <b>Learning to do:</b> decision making	<b>Scientific values:</b> objectivity <b>Work values:</b> perseverance	<b>Globalization issues:</b> technological awareness; digital citizenship
<b>LESSON 2</b> How to deal with electronic games	<ul style="list-style-type: none"> <li>The dangers of electronic games</li> <li>The impact of electronic games on my health</li> </ul>	<b>Learning to know:</b> problem solving <b>Learning to live:</b> self-management	<b>Personal values:</b> independence	<b>Citizenship issues:</b> awareness of rights and duties <b>Health and population issues:</b> preventive health
<b>LESSON 3</b> Protecting yourself from digital theft	<ul style="list-style-type: none"> <li>Ways to protect your devices</li> <li>Why companies need to protect their data</li> </ul>	<b>Learning to know:</b> problem solving <b>Learning to live:</b> self-management	<b>Scientific values:</b> objectivity <b>Personal values:</b> independence <b>Work values:</b> co-operation	<b>Globalization issues:</b> technological awareness
<b>LESSON 4</b> Cyber security	<ul style="list-style-type: none"> <li>How to be safe online</li> <li>Types of cyber security threats</li> </ul>	<b>Learning to live:</b> self-management <b>Learning to do:</b> decision making	<b>Personal values:</b> independence <b>Work values:</b> perseverance	<b>Globalization issues:</b> technological awareness; digital citizenship
<b>LESSON 5</b> Copyright and electronic financial trading	<ul style="list-style-type: none"> <li>What copyright is</li> <li>What electronic financial trading is</li> </ul>	<b>Learning to live:</b> self-management	<b>Personal values:</b> independence <b>Work values:</b> co-operation	<b>Globalization issues:</b> technological awareness; digital citizenship
<b>LESSON 6</b> Cloud storage of files	<ul style="list-style-type: none"> <li>What cloud computing is</li> <li>Storing files on cloud</li> </ul>	<b>Learning to do:</b> decision making	<b>Personal values:</b> independence; participation	<b>Globalization issues:</b> technological awareness
<b>LESSON 7</b> Cloud computing applications	<ul style="list-style-type: none"> <li>Examples of cloud computing applications</li> <li>The features of different cloud computing applications</li> </ul>	<b>Learning to live:</b> self-management <b>Learning to do:</b> decision making	<b>Personal values:</b> independence <b>Work values:</b> collaboration	<b>Globalization issues:</b> technological awareness



